

HOW TO CHOOSE THE RIGHT THREE POINT LINKAGE SPRAYER

Application

Understanding the primary purpose of the sprayer helps determine what boom, hose reel and other options are required. For example, a sprayer being used for pasture or vegetable spraying will have a very different boom to one being used in an orchard or vineyard.

- Weed or insect spraying in pasture or vegetables
- Fungicide spraying orchards or vineyards



Tank Size

Silvan three point linkage sprayers range from 200 litres to 1900 litres. While it is always best to opt for as large a tank as possible to minimise tank refills and maximise spraying time, the tractor size and carrying capacity must be considered along with the paddock sizes and total area being sprayed. For example, a 400L tank with 6m boom spraying at 100L/Ha will spray at least 1 hectare per hour.



Boom Size

Choosing the most suitable boom to fit your sprayer is based on a number of factors. Firstly, it should relate to the tank capacity. Unless there is a specific application, it would be unusual to fit a large boom to a tank that is 400 litres or less because it would only result in more regular tank fills.

Also, the overall budget and frequency of spraying should be considered as this helps determine whether a manual fold or hydraulic boom is the best option.

Finally, the terrain and spraying speed are also factors in determining the most suitable boom to avoid possible damage. In the roughest terrain, a boomless nozzle could be the best option.

Silvan offers manual booms from 6 metres to 12 metres and hydraulic booms from 6 metres to 15 metres. Silvan also has a range of boomless nozzle options. There are also speciality booms available for vineyard, orchard and sugar cane spraying including shielded booms.



Hose Reels

If you plan to use the sprayers for spot spraying of weeds then a hose reel can be fitted to the tank or frame. Depending on the type of use, this could be anything from a 6 metre hose and spray gun through a 100 metre remote control hose reel.

Pump Capacity

The tank size, boom width, hose reel and application rate all have an impact on the pump size required for your sprayer. It is important to ensure that the pump has the capacity to achieve the desired application rates taking into account the preferred ground speed and the boom width. The maximum pressure of the pump is an important factor when a hose reel is fitted to optimise the performance of the spray gun. There should also be enough pump capacity remaining for agitation.

Once the pump capacity is determined, it is then possible to choose the type of pump such as 12 volt, PTO drive or hydraulic drive.

[FINDING THE RIGHT PUMP](#)

Options

Silvan offers a range of electric or rate controllers, foam markers, GPS guidance systems and chemical induction hoppers to tailor the sprayer to each customer's requirements.

Once you have determined which sprayer is right for you, it may be that one of Silvan's Traylink, Econopak or Pasturepak sprayer packages is the most suitable and economical choice. Alternatively, Silvan can build a sprayer to order that meets your needs.

NEXT STEP

Contact your local Silvan dealer or Silvan for advice
www.silvan.com.au/find-a-dealer/



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